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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-	10/677,103	10/01/2003	Enoch Kim	H0498.70114US01	4302
		7590 06/14/2007		EXAM	INER
		ld & Sacks, P.C.		VARGOT, MATHIEU D	
	600 Atlantic Av Boston	venue		ART UNIT	PAPER NUMBER
	Massachusetts, MA 02210			1732	
				MAIL DATE	DELIVERY MODE
				06/14/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)					
	10/677,103	KIM ET AL.					
Office Action Summary	Examiner	Art Unit					
·	Mathieu D. Vargot	1732					
The MAILING DATE of this communication ap Period for Reply	opears on the cover sheet wit	th the correspondence address					
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perior - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNIC . 136(a). In no event, however, may a red d will apply and will expire SIX (6) MON te, cause the application to become AB.	CATION. Poply be timely filed THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 12	March 2007.						
·= · · _=	is action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under	·	-					
Disposition of Claims							
4)⊠ Claim(s) <u>1-11</u> is/are pending in the application.							
4a) Of the above claim(s) <u>9-11</u> is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-8</u> is/are rejected.	•						
7) Claim(s) is/are objected to.	•	•					
8) Claim(s) are subject to restriction and	or election requirement.						
Application Papers	·						
9) The specification is objected to by the Examir	ner						
10) The drawing(s) filed on is/are: a) a		ov the Examiner.					
Applicant may not request that any objection to th							
Replacement drawing sheet(s) including the corre	• • • • • • • • • • • • • • • • • • • •						
11) The oath or declaration is objected to by the E		· ·					
Priority under 35 U.S.C. § 119							
12) ☐ Acknowledgment is made of a claim for foreig	gn priority under 35 U.S.C. §	119(a)-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of:							
 Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage 							
					application from the International Bure		
					* See the attached detailed Office action for a lis	st of the certified copies not	received.
Attachment(s)	` <u>,</u> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	(DTO 412)					
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)		ummary (PTO-413))/Mail Date					
3) Information Disclosure Statement(s) (PTO/SB/08)	5) D Notice of In	formal Patent Application					
Paper No(s)/Mail Date	6)	- •					

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1.Applicant's election with traverse of Group I, claims 1-8 in the reply of March 12, 2007 is noted. It is believed that the claims restricted out—ie, claims 9-11--constitute a separate invention which is better searched in other areas, as noted in the previous action. Guiding radiation involves a search in the electrical area and this kind of subject matter is not easily searched in the polymeric optical art area. It was believed that a call had been made in this case and apologies are in order if such was not the case. At any rate, applicant has apparently elected the method claims. There was no species election to be made.

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Keyworth et al (see col. 1, lines 33-35) in view of any of Chavel et al (see Abstract), Bonvallot et al (Abstract) or Japanese document 8-137,375 for reasons of record noting the following. First of all, the Keyworth et al reference is indeed the one noted by applicant—it is the only reference of record with that name. For clarification, in the arguments section, applicant questions whether a rejection has been made on the method of claim 5. Indeed, claim 4, which is referenced in the action, is more specific than claim 5 and depends from claim 1, which is more akin to claim 5. Since claim 1 is obviously being rejected, claim 5 is also being rejected for the same reason. It is not an

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invention to provide a waveguide and a cladding, as such is clearly shown in Keyworth et al. Also, as shown in the secondary references, altering refractive indices of polymers and polymer systems is also well known and hence the instant claims 1-8 are submitted to be obvious. In essence, the secondary references solve applicant's problem of how to employ the same polymeric system and yet obtain different refractive indices as desired. The solution of a problem in a similar way is usually considered to be evidence of obviousness, not hindsight reconstruction as argued by applicant.

3. Applicant's arguments filed March 12, 2007 have been fully considered but they are not persuasive. Applicant's comments are simply not persuasive. While the secondary references may not be directed to making waveguides, they are directed to making optical articles. In that regard, one of ordinary skill in the optical art would have been expected to have knowledge of the various known methods taught in the secondary references to alter refractive indices. Applicant's comments concerning instant claims 5-8 are not understood. In that claims 5-8 recite no more than what is recited in claims 1-4, the rejection of the former is essentially that of the latter. Ie, if the most specific claim—which is claim 4—were rejected, then the broader claims would also be rejected for the same reasons.

4. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

5.Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mathieu D. Vargot whose telephone number is 571 272-1211. The examiner can normally be reached on Mon-Fri from 9 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christina Johnson, can be reached on 571 272-1176. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

M. Vargot June 6, 2007 Mathieu D. Vargot Primary Examiner Art Unit 1732

6/6/07